

## STN SEARCH TRANSCRIPT

10/622055

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 Property values tagged with IC are from the ZIC/VINITI data file  
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 STRUCTURE FILE UPDATES: 21 NOV 2005 HIGHEST RN 868586-21-4  
 DICTIONARY FILE UPDATES: 21 NOV 2005 HIGHEST RN 868586-21-4  
 New CAS Information Use Policies, enter HELP USAGETERMS for details.  
 TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005  
 Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

\*\*\*\*\*  
 \* The CA roles and document type information have been removed from \*  
 \* the IDE default display format and the ED field has been added, \*  
 \* effective March 20, 2005. A new display format, IDERL, is now \*  
 \* available and contains the CA role and document type information. \*  
 \*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
 for details.

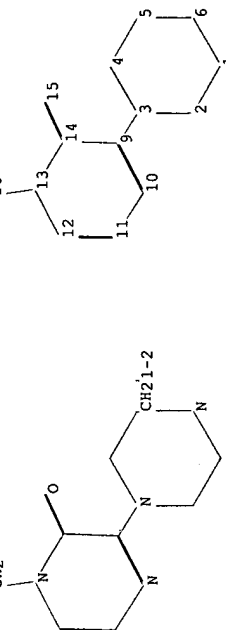
REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> ....Testing the current file..... screen

ENTER SCREEN EXPRESSION OR (END):end

=> Uploading C:\Program Files\Stnexp\Queries\PIPERAZINYL PYRAZINONES.str  
 CH2 16



chain nodes :  
 15 16

ring nodes :  
 1 2 3 4 5 6 9 10 11 12 13 14

chain bonds :  
 3-9 13-16 14-15

ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 9-10 10-11 11-12 12-13 13-14

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Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623ZCT

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
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 NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
 NEWS 4 OCT 03 MATHDI removed from STN  
 NEWS 5 OCT 04 CA/Caplus-Canadian Intellectual Property office (CIPO) added  
 to core patent offices  
 NEWS 6 OCT 06 STN AnaVist workshops to be held in North America  
 NEWS 7 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
 NEWS 8 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
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 visualization tools  
 NEWS 9 OCT 27 Free KWIC format extended in full-text databases  
 NEWS 10 OCT 27 DIOGENES content streamlined  
 NEWS 11 OCT 27 EPULL enhanced with additional content  
 NEWS 12 NOV 14 CA/Caplus - Expanded coverage of German academic research

NEWS EXPRESS  
 NOVEMBER 18 CURRENT VERSION FOR WINDOWS IS V8.01,  
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005.  
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<http://download.cas.org/express/v8.0-Discover/>

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 NEWS INTER General Internet Information  
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FILE 'HOME' ENTERED AT 10:37:54 ON 22 NOV 2005

FILE REG	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
	0.21	0.21
FULL ESTIMATED COST		

FILE 'REGISTRY' ENTERED AT 10:38:11 ON 22 NOV 2005  
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exact/norm bonds : 1-2 1-6 2-3 3-4 3-9 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14 14-15  
exact bonds : 13-16  
isolated ring systems :  
containing 1 : 9 :

G1:C,O,S,N

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 9:Atom 10:Atom 11:Atom 12:Atom  
13:Atom 14:Atom 15:CLASS 16:CLASS

L1 STRUCTURE UPLOADED

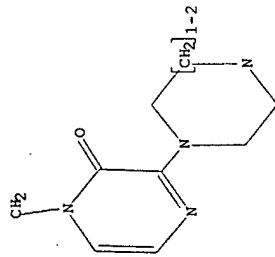
=> que L1

L2 QUE L1

=> D L1

L1 HAS NO ANSWERS

L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> S L1  
SAMPLE SEARCH INITIATED 10:38:31 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 54 TO ITERATE

100.04 PROCESSED 54 ITERATIONS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 640 TO 1520  
PROJECTED ANSWERS: 8 TO 329

L3 8 SEA SSS SAM L1

=> S L1 SSS FULL  
FULL SEARCH INITIATED 10:38:37 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1266 TO ITERATE  
100.04 PROCESSED 1266 ITERATIONS  
SEARCH TIME: 00.00.01

L4 134 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:38:42 ON 22 NOV 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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SINCE FILE ENTRY  
161.33  
TOTAL SESSION  
161.94

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FILE COVERS 1907 - 22 Nov 2005 VOL 143 ISS 22  
FILE LAST UPDATED: 21 Nov 2005 (20051121/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> S L4

L5 1 L4

=> D

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:80683 CAPLUS

DN 140:128433

TI Preparation of piperazinyl-2(1H)-pyrazinones for treatment of 5-HT2A receptor-related disorders

IN Nilsson, Bjorn; Thor, Markus; Cernerud, Magnus; Lundstroem, Helena  
PA Biovitrum Ab, Swed.

SO PCT Int. Appl., 90 pp.

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004/009586	A1	20040129	WO 2003-SE1102	20030625
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,			

BE, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG  
CA 2492924 AA 20040129 CA 2003-2492924 20030625  
BR 2003012789 A 20050503 BR 2003-12789 20030625  
EP 1534391 A1 20050601 EP 2003-765414 20030625  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
JP 2005533847 T2 20051110 JP 2004-522879 20030625  
US 2004063693 A1 20040401 US 2003-622055 20030717  
PRAI SE 2002-2287 A 20020719  
US 2002-46240P P 20021114  
WO 2003-SE1102 W 20030625  
OS MARPAT 140:128433  
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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NEWS 6 OCT 06 STN Anavist workshops to be held in North America  
NEWS 7 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
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NEWS 11 OCT 27 EPFULL enhanced with additional content  
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NEWS EXPRESS NOVEMBER 18 CURRENT VERSION FOR WINDOWS IS V8.01,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
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=> FILE MEDLINE  
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FILE 'MEDLINE' ENTERED AT 10:40:36 ON 22 NOV 2005

FILE LAST UPDATED: 16 NOV 2005 (20051116/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MESH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP  
RLOAD at an arrow prompt (=>). See also:

http://www.nlm.nih.gov/mesh/  
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the  
MESH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> S 5HT2A ANTAG?  
150 5HT2A  
528367 ANTAG?  
L1 9 5HT2A ANTAG?  
(5HT2A(W)ANTAG?)

=> S 5HT ANTAG?  
2473 5HT  
528367 ANTAG?  
L2 54 5HT ANTAG?  
(5HT(W)ANTAG?)

=> S 5-HT ANTAG?  
2140385 S  
31272 HT  
743 HTS  
31949 HT  
(HT OR HTS)

L3 538343 ANTAG?  
599 5-HT ANTAG?  
(5(W)HT(W)ANTAG?)

ENABLEMENT

SEARCH -

5HT2A ANTAG!S

=> S L2 OR L1 OR L3  
L4 661 L2 OR L1 OR L3

=> S L4 AND (2001/PY OR 2002/PY)  
518671 2001/PY  
541230 2002/PY  
22 L4 AND (2001/PY OR 2002/PY)

=> S 1-22

3587146 1  
34398 22  
11321 1-22  
(1(W)22)

=> D L5 1-22

L5 ANSWER 1 OF 22 MEDLINE on STN  
AN 2003153051 MEDLINE  
DN PubMed ID: 12656947  
TI Non-adrenergic non-cholinergic excitatory innervation in the airways: role of neurokinin-2 receptors.

AU Krishnakumar S; Holmes E P; Moore R M; Kappel L; Venugopal C S  
CS Departments of Comparative Biomedical Sciences and Veterinary Clinical Sciences, School of Veterinary Medicine, Louisiana State University, Skip Bertman Drive, Baton Rouge, LA 70803, USA.

SO Autonomic & autacoid pharmacology, (2002 Aug) 22 (4) 215-24.  
Journal code: 101157306. ISSN: 1474-8665.

CY England: United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200309

ED Entered STN: 20030403

Last Updated on STN: 20030924

Entered Medline: 20030923

L5 ANSWER 2 OF 22 MEDLINE on STN  
AN 2003009984 MEDLINE

DN PubMed ID: 12457458

TI Serotonergic involvement in stress-induced vasopressin and oxytocin secretion.

AU Jorgensen Henrik; Knigge Ulrich; Kjaer Andreas; Warberg Jorgen  
CS Department of Medical Physiology, The Panum Institute, Rigshospitalet, University of Copenhagen, Blegdamsvej 3, DK-2200N Copenhagen, Denmark..  
hsj@mi.ku.dk

SO European journal of endocrinology / European Federation of Endocrine Societies, (2002 Dec) 147 (6) 815-24.

Journal code: 9423848. ISSN: 0804-4643.

CY England: United Kingdom

DT Journal; Article: (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200301

ED Entered STN: 20030109

Last Updated on STN: 20030125

Entered Medline: 20030124

L5 ANSWER 3 OF 22 MEDLINE on STN

AN 2002704529 MEDLINE

DN PubMed ID: 12444818

TI Nefazodone treatment of pathological gambling: a prospective open-label controlled trial.

AU Pallanti Stefano; Baldini Rossi Nicolo; Sood Erica; Hollander Eric  
CS Department of Psychiatry, Mount Sinai School of Medicine, New York, N.Y., USA.

SO Journal of clinical psychiatry, (2002 Nov) 63 (11) 1034-9.  
Journal code: 7801243. ISSN: 0160-6689.

CY United States

DT (CLINICAL TRIAL)

LA English

FS Priority Journals

EM 200212

ED Entered STN: 20021217

Last Updated on STN: 20021227

Entered Medline: 20021226

L5 ANSWER 4 OF 22 MEDLINE on STN

AN 2002354397 MEDLINE

DN PubMed ID: 12097192

TI Serotonin antagonist profiling on 5HT2A and 5HT2C receptors by nonequilibrium intracellular calcium response using an automated flow-through fluorescence analysis system, HT-PS 100.

AU Kaier Gregory; Otto Michael; Okun Alex; Okun Ilya  
CS Axiom Biosciences, AXIOM Biotechnologies, Inc., San Diego, CA 92121, USA..  
gkaier@axiobio.com

SO Journal of biomolecular screening : official journal of the Society for Biomolecular Screening, (2002 Jun) 7 (3) 291-301.

Journal code: 9612112. ISSN: 1087-0571.

CY United States

DT Journal; Article: (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200301

ED Entered STN: 20020707

Last Updated on STN: 20030117

Entered Medline: 20030116

L5 ANSWER 5 OF 22 MEDLINE on STN

AN 2002335689 MEDLINE

DN PubMed ID: 12061865

TI Changes in serotonin, serotonin transporter expression and serotonin denervation supersensitivity: involvement in chronic central pain after spinal hemisection in the rat.

AU Hains Bryan C; Everhart Alex W; Fullwood Steven D; Hulsebosch Claire E  
CS Department of Anatomy and Neurosciences, Marine Biomedical Institute, University of Texas Medical Branch, 301 University Boulevard, Galveston 77555-1043, USA.

NS11255 (NINDS)

NS39161 (NINDS)

SO Experimental neurology, (2002 Jun) 175 (2) 347-62.

Journal code: 0370712. ISSN: 0014-4886.

CY United States

DT Journal; Article: (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200207

ED Entered STN: 20020625

Last Updated on STN: 20020716

Entered Medline: 20020715

L5 ANSWER 6 OF 22 MEDLINE on STN

AN 2002284465 MEDLINE

DN PubMed ID: 12022444

TI Muramyl dipeptide (MDP) and 5-HT receptors. Neuroimmunomodulatory effects of MDP are probably not mediated through 5-HT4 or 5-HT1A receptors.

AU Sevcik Jan; Rucka Vladimir; Slainsky Josef; Masek Karel  
CS Institute of Pharmacology, Academy of Sciences of the Czech Republic, Prague.. sevcik@biomed.cas.cz

SO Immunopharmacology and immunotoxicology, (2002 Feb) 24 (1)

43-53.  
Journal code: 8800150. ISSN: 0892-3973.  
United States  
CY Journal; Article: (JOURNAL ARTICLE)  
DT English  
LA English  
FS Priority Journals  
EM 200212  
Entered STN: 20020528  
Last Updated on STN: 20030118  
Entered Medline: 20021204

ANSWER 7 OF 22 MEDLINE on STN  
AN 2002210385 MEDLINE  
DN PubMed ID: 11906971  
TI The human 5-HT7 serotonin receptor splice variants: constitutive activity and inverse agonist effects.  
AU Krobort Kurt A; Levy Finn Olav  
CS MSD Cardiovascular Research Center, University of Oslo, Rikshospitalet University Hospital, Blindern, N-0316 Oslo, Norway.  
SO British journal of pharmacology. (2002 Mar) 135 (6) 1563-71.  
Journal code: 7502536. ISSN: 0007-1188.  
CY England: United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200207  
Entered STN: 20020412  
Last Updated on STN: 20020712  
Entered Medline: 20020710

ANSWER 8 OF 22 MEDLINE on STN  
AN 2002142176 MEDLINE  
DN PubMed ID: 11861321  
TI 5-HT(1B) but not 5-HT(6) or 5-HT(7) receptors mediate depression of spinal nociceptive reflexes in vitro.  
AU Redo G; Lopez-Garcia J A  
CS Departamento de Fisiologia, Edificio de Medicina, Universidad de Alcala, Madrid 28871, Spain.  
SO British journal of pharmacology. (2002 Feb) 135 (4) 935-42.  
Journal code: 7502536. ISSN: 0007-1188.  
CY England: United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200212  
Entered STN: 20020307  
Last Updated on STN: 20021227  
Entered Medline: 20021226

ANSWER 9 OF 22 MEDLINE on STN  
AN 2002048958 MEDLINE  
DN PubMed ID: 11772289  
TI Advances in pharmacological treatment of migraine.  
AU Diener H C; Limmoth V  
CS Department of Neurology, University Essen, Hufelandstr. 55, 45122 Essen, Germany... h.dienertuni-essen.de  
SO Expert opinion on investigational drugs, (2001 Oct) 10 (10) 1831-45. Ref: 177  
Journal code: 9434197. ISSN: 1354-3784.  
CY England: United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200202

Entered STN: 20020125  
Last Updated on STN: 20020301  
Entered Medline: 20020228

ANSWER 10 OF 22 MEDLINE on STN  
AN 2002035082 MEDLINE  
DN PubMed ID: 11763004  
TI The effect of olanzapine treatment on m-chlorophenylpiperazine-induced hormone release in schizophrenia.  
AU Scheepers F E; Gespen de Wied C C; Kahn R S  
CS University Medical Center, Department of Psychiatry, Utrecht, The Netherlands... f.scheeperspsych.azu.nl  
SO Journal of clinical psychopharmacology, (2001 Dec) 21 (6) 575-82.  
Journal code: 8109496. ISSN: 0271-0749.  
CY United States  
DT (CLINICAL TRIAL)  
Journal; Article: (JOURNAL ARTICLE)  
(RANDOMIZED CONTROLLED TRIAL)  
LA English  
FS Priority Journals  
EM 200205  
Entered STN: 20020124  
Last Updated on STN: 20020508  
Entered Medline: 20020507

ANSWER 11 OF 22 MEDLINE on STN  
AN 2002000064 MEDLINE  
DN PubMed ID: 11737145  
TI Serotonin localization in Phallusia mammillata larvae and effects of 5-HT antagonists during larval development.  
AU Pennati R; Groppelli S; Sotgia C; Candiani S; Pestarino M; De Bernardi F  
CS Department of Biology, Section of Zoology SN 7B, University of Milano, via Celoria 26, 20133 Milano, Italy... sirob@mailserver.unimi.it  
SO Development, growth & differentiation, (2001 Dec) 43 (6) 647-56.  
Journal code: 0356504. ISSN: 0012-1592.  
CY Japan  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200204  
Entered STN: 20020102  
Last Updated on STN: 20020404  
Entered Medline: 20020402

ANSWER 12 OF 22 MEDLINE on STN  
AN 2001689421 MEDLINE  
DN PubMed ID: 11717237  
TI Serotonin elicits long-lasting enhancement of rhythmic respiratory activity in turtle brain stems in vitro.  
AU Johnson S M; Wilkerson J E; Henderson D R; Wenninger M R; Mitchell G S  
CS Department of Comparative Biosciences, School of Veterinary Medicine, University of Wisconsin, 2015 Linden Dr. West, Madison, WI 53706, USA... johnsons@svm.vetmed.wisc.edu  
NC HL-36780 (NHLBI)  
HL-60028 (NHLBI)  
SO Journal of applied physiology (Bethesda, Md. : 1985), (2001 Dec) 91 (6) 2703-12.  
Journal code: 8502536. ISSN: 8750-7587.  
CY United States  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200202  
Entered STN: 20011212

Last Updated on STN: 20030118  
Entered Medline: 20020212

- L5 ANSWER 13 OF 22 MEDLINE on STN  
AN 2001683032 MEDLINE  
DN PubMed ID: 11728834  
TI Effects of the 5HT antagonist cyproheptadine on  
neurophysiological function in chronic schizophrenia.  
AU Chaudhry I B; Soni S D; Hellewell J S E; Deakin J F W  
CS Rossendale Hospital, Haslingden Road, Rawtenstall BB4 6NE, UK.  
SO Schizophrenia research, (2002 Jan 1) 53 (1-2) 17-24.  
Journal code: 8804207. ISSN: 0920-9964.  
CY Netherlands  
DT (CLINICAL TRIAL)  
Journal: Article; (JOURNAL ARTICLE)  
(RANDOMIZED CONTROLLED TRIAL)  
LA English  
FS Priority Journals  
EM 200202  
Entered STN: 20011203  
Last Updated on STN: 20020223  
Entered Medline: 20020222
- L5 ANSWER 14 OF 22 MEDLINE on STN  
AN 2001644973 MEDLINE  
DN PubMed ID: 11697445  
TI Investigations on possible serotonergic involvement in effects of OB-200G  
(polyherbal preparation) on food intake in female mice.  
AU Kaur G; Kulkarni S K  
CS Pharmacology Division, Univ Inst Pharm Sci, Panjab University, Chandigarh,  
India.  
SO European journal of nutrition, (2001 Jun) 40 (3) 127-33.  
Journal code: 10088704. ISSN: 1436-6207.  
CY Germany; Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200112  
Entered STN: 20011108  
Last Updated on STN: 20020123  
Entered Medline: 20011205
- L5 ANSWER 15 OF 22 MEDLINE on STN  
AN 2001528219 MEDLINE  
DN PubMed ID: 11573989  
TI Engraftment of serotonergic precursors enhances locomotor function and  
attenuates chronic central pain behavior following spinal hemisection  
injury in the rat.  
AU Hains B C; Johnson K M; McAdoo D J; Eaton M J; Hulsebosch C E  
CS Department of Anatomy and Neurosciences and Marine Biomedical Institute,  
University of Texas Medical Branch, Galveston, Texas 77555-1069, USA.  
NC NS11255 (NINDS)  
NS39161 (NINDS)  
SO Experimental neurology, (2001 Oct) 171 (2) 361-78.  
Journal code: 0370712. ISSN: 0014-4886.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200112  
Entered STN: 20011001  
Last Updated on STN: 20020122  
Entered Medline: 20011205
- L5 ANSWER 16 OF 22 MEDLINE on STN

AN 2001505635 MEDLINE  
DN PubMed ID: 11522602

- TI The plasma protein extravasation induced by adenosine and its analogues in  
the rat dorsal skin: evidence for the involvement of capsaicin sensitive  
primary afferent neurons and mast cells.  
AU Esquisatto L C; Costa S K; Camargo E A; Ribela M T; Brain S D; de Nucci G;  
Antunes E  
CS Department of Pharmacology, Faculty of Medical Sciences, UNICAMP, PO Box  
6111, 13081-970, Campinas, (SP), Brazil.  
SO British journal of pharmacology, (2001 Sep) 134 (1) 108-15.  
Journal code: 7502536. ISSN: 0007-1188.  
CY England; United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200110  
Entered STN: 20010917  
Last Updated on STN: 20011015  
Entered Medline: 20011011
- L5 ANSWER 17 OF 22 MEDLINE on STN  
AN 2001493317 MEDLINE  
DN PubMed ID: 11535663  
TI Voltage-sensitivity of motoneuron NMDA receptor channels is modulated by  
serotonin in the neonatal rat spinal cord.  
AU Maclean J N; Schmidt B J  
CS Department of Physiology, University of Manitoba, 730 William Ave.,  
Winnipeg, Manitoba R3E 307, Canada.  
SO Journal of neurophysiology, (2001 Sep) 86 (3) 1131-8.  
Journal code: 0375404. ISSN: 0022-3077.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200112  
Entered STN: 20010906  
Last Updated on STN: 20020122  
Entered Medline: 20011204
- L5 ANSWER 18 OF 22 MEDLINE on STN  
AN 2001459934 MEDLINE  
DN PubMed ID: 11302287  
TI Drug treatment options for irritable bowel syndrome: managing for success.  
AU Dunphy R C; Verne G N  
CS Department of Medicine, University of Florida, Gainesville, USA.  
SO Drugs & aging, (2001) 18 (3) 201-11. Ref: 61  
Journal code: 9102074. ISSN: 1170-229X.  
CY New Zealand  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 200108  
Entered STN: 20010820  
Last Updated on STN: 20010820  
Entered Medline: 20010816
- L5 ANSWER 19 OF 22 MEDLINE on STN  
AN 2001421938 MEDLINE  
DN PubMed ID: 11247051  
TI The effects of ondansetron on sleep-disordered breathing in the English  
bulldog.  
AU Veasey S C; Chachkes J; Fenik P; Hendricks J C  
CS Center for Sleep & Respiratory Neurobiology, Department of Medicine,

School of Medicine, University of Pennsylvania, 19104-4283, USA..

- veasey@mail.med.upenn.edu  
HL-60287 (NHLBI)  
Sleep, (2001 Mar 15) 24 (2) 155-60.  
Journal code: 7809084. ISSN: 0161-8105.
- CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200107  
ED Entered STN: 20010730  
Last Updated on STN: 20010730  
Entered Medline: 20010726
- L5 ANSWER 20 OF 22 MEDLINE on STN  
AN 2001261151 MEDLINE  
DN PubMed ID: 11294747  
TI Interaction of serotonin and cholecystokinin in the lateral parabrachial nucleus to control sodium intake.
- AU Frattucci De Gobbi J I; De Luca L A Jr; Johnson A K; Menani J V  
CS Department of Physiology and Pathology, School of Dentistry, Paulista State University (UNESP), 14801 - 903 Araraquara, Sao Paulo, Brazil.  
NC HL-14388 (NHLBI)  
HL-57472 (NHLBI)
- SO American Journal of physiology. Regulatory, integrative and comparative physiology. (2001 May) 280 (5) R1301-7.  
Journal code: 100901230. ISSN: 0363-6119.
- CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals; Space Life Sciences  
EM 200105  
ED Entered STN: 20010521  
Last Updated on STN: 20011023  
Entered Medline: 20010517
- L5 ANSWER 21 OF 22 MEDLINE on STN  
AN 2001185784 MEDLINE  
DN PubMed ID: 11277603  
TI Discriminative stimulus properties of indorenate, a 5-HT1A, 5-HT1B and 5-HT2C agonist: a study in rats.
- AU Sanchez H; Velazquez-Martinez D N  
CS Departamento de Psicofisiologia, Facultad de Psicologia, Universidad Nacional Autonoma de Mexico, Mexico DF.  
SO Journal of psychopharmacology (Oxford, England), (2001 Mar) 15 (1) 29-36.
- CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200107  
ED Entered STN: 20010723  
Last Updated on STN: 20030118  
Entered Medline: 20010719
- L5 ANSWER 22 OF 22 MEDLINE on STN  
AN 2001140842 MEDLINE  
DN PubMed ID: 11161597  
TI Serotonin modifies the neuronal inhibitory responses to gamma-aminobutyric acid in the red nucleus: a microiontophoretic study in the rat.
- AU Licata F; Li Volasi G; Di Mauro M; Fretto G; Ciranna L; Santangelo F  
CS Department of Physiological Sciences, University of Catania, Catania, 95125, Italy.  
SO Experimental neurology, (2001 Jan) 167 (1) 95-107.

Journal code: 0370712. ISSN: 0014-4886.

- CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200103  
ED Entered STN: 20010404  
Last Updated on STN: 20030118  
Entered Medline: 20010308
- => D ABS 18
- L6 ANSWER 18 OF 11321 MEDLINE on STN  
AB CONTEXT: Medullary thyroid carcinoma (MTC) is a characteristic tumor occurring in individuals with multiple endocrine neoplasia type 2 who carry germ-line mutations in RET (rearranged during transfection). However, most MTC occur in individuals without a family history. OBJECTIVES: The objective of this study was to explore the possibility that susceptibility in these cases results from low penetrance alleles of RET, its coreceptors, and ligands. DESIGN: We carried out an association study in 135 sporadic MTC (sMTC) patients and 533 controls from the United Kingdom population. RESULTS AND CONCLUSIONS: We analyzed 33 polymorphisms in all nine genes involved in the glial cell line-derived neurotrophic factor receptor-alpha (GFRalpha)-RET complex. This is the first association study in which all genes involved in this complex have been investigated for susceptibility to sMTC. We did not find any association between single nucleotide polymorphisms in the exonic regions of the GFRalpha2, GFRalpha3, GFRalpha4, glial cell line-derived neurotrophic factor, neurturin, or persephin genes and risk of developing sMTC. We found a strong association between the disease and specific haplotypes of RET. We not only confirmed the previously described association with G691S and S904S (for heterozygotes: odds ratio, 1.85; range, 1.22-2.82; P = 0.004), but we found a novel protective effect associated with a specific haplotype (odds ratio, 0.39; range, 0.21-0.72; P = 0.005) revealing the existence of different genetic variants in the RET oncogene that either increase or decrease risk of sMTC.
- => D L5 ABS 18
- L5 ANSWER 18 OF 22 MEDLINE on STN  
AB Irritable bowel syndrome (IBS) is a functional gut disorder the diagnosis of which is based on clinical symptoms as set forth by the Rome criteria. As the population ages, especially with the population of patients >75 years of age expanding greatly over the next 10 years, IBS is becoming one of the most common diseases of the elderly. Thus far, developing treatment strategies for patients with IBS has been difficult because of the lack of pharmacological targets and the wide range of symptomatology. Additionally, demonstration of a therapeutic benefit is difficult in the presence of a high placebo response observed regardless of the therapy employed. Fibre, antidiarrhoeals and antispasmodics all play some role in the symptomatic treatment of IBS. With the evolution of IBS as a disorder of visceral hypersensitivity, new drugs have been developed that target the enteric nervous system. Tricyclic antidepressants (TCAs) have been found to target the enteric neurons and play a role in pain modulation. Currently, the TCAs are recommended only for severe cases of IBS pain. The newest class of drugs to be approved for use in IBS are the serotonin (5-hydroxytryptamine; 5-HT) antagonists. Specifically, the 5-HT3 receptor antagonists have been shown to decrease symptoms in female patients with IBS. A related class of drugs, the 5-HT4 receptor agonists, is being developed for the treatment of constipation-predominant IBS. Further investigation into the role of spinal afferent neurons in visceral hypersensitivity is at the forefront of IBS research. Several experimental drug therapies for IBS are also

discussed in this review including N-methyl-D-aspartate receptor antagonists, neurokinin-1 receptor antagonists, octreotide, clonidine and the selective M3 receptor antagonist, zafifenacin.

=> D L5 ABS 9, 10

L5 ANSWER 9 OF 22 MEDLINE on STN  
AB Migraine is a paroxysmal disorder with attacks of headache, nausea, vomiting, photo- and phonophobia and malaise. This review summarizes new treatment options both for the therapy of the acute attack as well as for migraine prophylaxis. Analgesics like aspirin or non-steroidal anti-inflammatory drugs (NSAIDs) are effective in treating migraine attacks. Few controlled trials were performed for the use of ergotamine or dihydroergotamine. These trials indicate inferior efficacy compared with serotonin (5-HT<sub>1B/D</sub>) agonists (triptans). The triptans (almotriptan, eletriptan, frovatriptan, naratriptan, rizatriptan, sumatriptan and zolmitriptan), are highly effective. They improve headache as well as nausea, photo- and phonophobia. The different triptans show only minor differences in efficacy, headache recurrence and adverse effects. The knowledge of their different pharmacological profile allows a more specific treatment of the individual migraine characteristics. Migraine prophylaxis is recommended, when more than three attacks occur per month, if attacks do not respond to acute treatment or if side effects of acute treatment are severe. Substances with proven efficacy include the beta-blockers metoprolol and propranolol, the calcium channel blocker flunarizine, several 5-HT<sub>2</sub> antagonists and amitriptyline. Recently anti-epileptic drugs (valproic acid, gabapentin, topiramate) were evaluated for the prophylaxis of migraine. The use of botulinum toxin is under investigation.

L5 ANSWER 10 OF 22 MEDLINE on STN

AB In addition to dopamine, serotonin (5-hydroxytryptamine, 5-HT) has been reported to play an important role in schizophrenia. Besides blocking dopamine, atypical antipsychotics also block 5-HT receptors. The clinical efficacy of the atypical antipsychotic clozapine is associated with the 5-HT<sub>2</sub> antagonistic action of the drug and a high serotonergic tone before treatment. The atypical antipsychotic olanzapine has a receptor-binding profile similar to that of clozapine. The present study investigated whether treatment with olanzapine blocks hormone release induced by the 5-HT<sub>2C</sub> agonist m-chlorophenylpiperazine (m-CPP) and, if so, whether this 5-HT<sub>2</sub> antagonistic effect is related to treatment response. Eighteen male schizophrenic patients participated in this study. All patients were challenged with m-CPP (0.5 mg/kg orally) in a double-blind, randomized, placebo-controlled design after a drug-free period of at least 2 weeks. Adrenocorticotrophic hormone (ACTH), cortisol, and prolactin plasma levels were measured every 30 minutes up to 210 minutes after challenge. Patients were treated for 6 weeks with 10 mg olanzapine daily in an open design, after which the challenge tests were repeated. Olanzapine significantly blocked m-CPP-induced ACTH, cortisol, and prolactin release, suggesting that it is a potent 5-HT<sub>2C</sub> antagonist in vivo. This 5-HT<sub>2</sub> antagonistic effect of olanzapine was not significantly correlated with treatment response. Also, no significant correlation was found between m-CPP-induced hormone release before treatment and clinical response after treatment with olanzapine. These findings suggest that olanzapine is a potent 5-HT<sub>2C</sub> antagonist in vivo but that this is unrelated to its clinical efficacy in this nonrefractory sample of schizophrenic patients.

=> D L5 ABS 3'

'3'' IS NOT A VALID FORMAT FOR FILE 'MEDLINE'

The following are valid formats:

The default display format is BIB.

ABS ---- AB  
ALL ---- AN, DN, TI, CM, AU, CS, NC, SO, CY, DT, LA, FS, OS, EM,  
ED, AB, ST, CT, NA, RN, CN, GEN  
BIB ---- AN, DN, TI, CM, AU, CS, NC, SO, CY, DT, LA, FS, OS, EM, ED  
CBIB ---- AN, DN, TI, CM, AU, CS, NC, SO, CY, DT, LA, FS, OS, EM, ED  
DALL ---- ALL, delimited for post processing  
IABS ---- ABS, with a text label  
IALL ---- ALL, indented with text labels  
IBIB ---- BIB, indented with text labels  
IND ---- ST, CT, NA, RN, CN, GEN  
SAM ---- TI, CM, ST, CT, NA, RN, CN, GEN  
TRI ---- TI, CM, ST, CT, NA, RN, CN, GEN  
TRIAL ---- TI, CM, ST, CT, NA, RN, CN, GEN  
HIT ---- All fields containing hit terms  
HITIND - IND  
KWIC --- All hit terms plus 20 words on either side  
OCC ---- List of display fields containing hit terms  
PY. Hit terms will be highlighted in all available fields except CM and PY.

To display a particular field or fields, enter the display field codes. For a list of display field codes, enter 'HELP DFIELDS' at an arrow prompt (=>). Examples of formats include: 'BIB', 'AB', 'SO,ST'. You may specify the format fields in any order, and the information will be displayed in the same order as the format specification.

The same formats (except for HIT, HITIND, KWIC, and OCC) may be used with the DISPLAY ACC command to display the record for a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):END

=> D L5 ABS 3

L5 ANSWER 3 OF 22 MEDLINE on STN

AB BACKGROUND: Pathological gambling is a disabling and highly prevalent impulse-control disorder not otherwise specified (NOS). According to the hypothesis of abnormal serotonin function in the pathophysiology of poor impulse control and pathological gambling, we assessed the efficacy and tolerability of nefazodone, a 5-HT<sub>2</sub> antagonist reported to be effective in other impulse-control disorders NOS, in the treatment of pathological gambling. METHOD: Fourteen outpatients who met DSM-IV criteria for pathological gambling were enrolled in a prospective 8-week open-label oral nefazodone trial. Nefazodone was initiated at 50 mg/day and titrated upward to a maximum of 500 mg/day based on patient's response and side effects, with a minimum daily dose of 100 mg. Improvement in gambling was assessed via the pathological gambling modifications of the Yale-Brown Obsessive Compulsive Scale (PG-YBOCS), the Clinical Global Impressions-Improvement scale (CGI-I), and self-rated gambling scales. Response was defined a priori as both a 25% reduction in PG-YBOCS score and a score of 1 (very much improved) or 2 (much improved) on the CGI-I scale. RESULTS: Twelve subjects completed the study, and 2 subjects were early dropouts who did not receive the minimum required dose. Significant improvements were noted in all gambling outcome measures, as well as in depression and anxiety ratings (which did not significantly correlate with gambling reduction). Nine (75%) of 12 patients were rated as responders according to a priori criteria. Side effects (dry mouth and sedation) of moderate severity occurred in 4 subjects. CONCLUSION: These preliminary results suggest that nefazodone may be effective in reducing symptoms of pathological gambling and is well tolerated.



=> S 5-HT2A  
2140385 5  
2290 HT2A  
2277 5-HT2A  
(5(W)HT2A)

L7

=> S L7 AND ANTAG?  
528367 ANTAG?  
1354 L7 AND ANTAG?

L8

=> S L8 AND (2001/PY OR 2002/PY)  
518671 2001/PY  
541230 2002/PY

L9

=> S L9 NOT L5  
236 L9 NOT L5

L10

=> S L10 AND (CLINI? OR THERA?)  
1655150 CLINI?  
2758974 THERA?

L11

=> S L11 AND REVIEW  
416722 REVIEW  
52232 REVIEWS  
457346 REVIEW  
(REVIEW OR REVIEWS)  
4 L11 AND REVIEW

L12

=> D 1-4

L12 ANSWER 1 OF 4 MEDLINE on STN  
AN 2002639063 MEDLINE  
DN PubMed ID: 12397861  
TI Risperidone: review of its therapeutic utility in depression.  
AU Myers J E; Thase M E  
CS Janssen Pharmaceutical, Titusville, NJ, USA.  
SO Psychopharmacology bulletin, (2001 Autumn) 35 (4) 109-29. Ref: 55  
Journal code: 0101123. ISSN: 0048-5764.

CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 200211  
ED Entered STN: 20021026  
Last Updated on STN: 20021211  
Entered Medline: 20021113

L12 ANSWER 2 OF 4 MEDLINE on STN  
AN 2002311949 MEDLINE  
DN PubMed ID: 12054060  
TI 5-HT2A antagonists in psychiatric disorders.  
AU de Angelis Luisa  
CS Department of Biomedical Sciences, University of Trieste, Italy.  
SO Current opinion in investigational drugs (London, England : 2000), (2002 Jan) 3 (1) 106-12. Ref: 63  
Journal code: 100965718. ISSN: 1472-4472.

CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 200212  
ED Entered STN: 20020611  
Last Updated on STN: 20021218  
Entered Medline: 20021217

L12 ANSWER 3 OF 4 MEDLINE on STN  
AN 2002104850 MEDLINE  
DN PubMed ID: 11836973  
TI Estrogenic modulation of brain activity: implications for schizophrenia and Parkinson's disease.  
AU Cyr Michel; Calon Frederic; Morissette Marc; Di Paolo Therese  
CS Oncology and Molecular Endocrinology Research Centre, Faculte de Pharmacie, Universite Laval, Sainte-Foy, Que.  
SO Journal of psychiatry & neuroscience : JPN, (2002 Jan) 27 (1) 12-27. Ref: 211  
Journal code: 9107859. ISSN: 1180-4882.

CY Canada  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 200204  
ED Entered STN: 20020212  
Last Updated on STN: 20020410  
Entered Medline: 20020409

L12 ANSWER 4 OF 4 MEDLINE on STN  
AN 2001148942 MEDLINE  
DN PubMed ID: 11212595  
TI Quetiapine and obsessive-compulsive symptoms (OCS): case report and review of atypical antipsychotic-induced OCS.  
AU Khullar A; Chue P; Tibbo P  
CS University of Alberta, Edmonton, Alta.  
SO Journal of psychiatry & neuroscience : JPN, (2001 Jan) 26 (1) 55-9.  
Journal code: 9107859. ISSN: 1180-4882.

CY Canada  
DT (CASE REPORTS)  
Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200103  
ED Entered STN: 20010404  
Last Updated on STN: 20010404  
Entered Medline: 20010315

=> D ABS 2

L12 ANSWER 2 OF 4 MEDLINE on STN  
AB Several lines of evidence support a role for serotonergic (5-HT) system abnormalities in the pathogenesis and treatment of several psychiatric disorders. This review summarizes information about the association between the 5-HT2A receptor gene and its relevance to schizophrenia, tardive dyskinesia, major depression, suicidality, anorexia nervosa and obsessive-compulsive disorder. Evidence is presented that implies that selective 5-HT2A antagonists may be considered useful in investigating the role of

**5-HT<sub>2A</sub>** receptor function and in the treatment of psychosis, and possibly alcohol and cocaine dependence. Additionally, findings are reviewed on the importance of **5-HT<sub>2A</sub>** receptor **antagonism** in contributing to the **therapeutic** effect of several **clinically** effective and potential atypical antipsychotics as well as several antidepressants. In conclusion, the ability of selective **5-HT<sub>2A</sub>** receptor **antagonists** to interfere with the heightened state of dopamine activity without altering basal tone, suggests that these drugs possess antipsychotic activity and may provide the basis for new **therapies** for psychosis and drug dependence, in addition to contributing towards a more complete understanding of **5-HT<sub>2A</sub>** receptor function.

=> D ABS

L12 ANSWER 1 OF 4 MEDLINE on STN

AB There is extensive evidence to implicate dysregulation of noradrenergic, serotonergic, and dopaminergic neurotransmission in the pathophysiology of mood disorders. The receptor profile for risperidone, an atypical antipsychotic with demonstrated efficacy in schizophrenia, is consistent with possible antidepressant activity. Specifically, risperidone is a potent **antagonist** of central **5-HT<sub>2A</sub>**

receptors, addressing symptoms such as insomnia, agitation, and weight loss and may indirectly enhance 5-HT<sub>1A</sub>-mediated neurotransmission. A search of the worldwide medical literature published through December 2000 revealed 24 publications pertinent to the **clinical** use of risperidone in the treatment of patients with depressive symptomatology. In schizophrenia, in which depression is a common comorbid condition, the results of eight randomized, blinded, and controlled trials consistently demonstrated that treatment with risperidone significantly reduced scores on various measures of depressive symptoms. Moreover, these effects were distinct from improvements in negative and positive symptoms.

Antidepressant effects also were observed in two large meta-analyses of trials in patients with schizophrenia or schizoaffective disorder. Observations from uncontrolled studies and case reports of risperidone therapy of other psychiatric disorders were similarly suggestive of antidepressant activity. Collectively, the evidence we present in this

**review** indicates that risperidone's **therapeutic** benefits in psychiatric medicine extend beyond potent and effective antipsychotic activity and may include effectiveness in treating depression and related affective disorders. Systematic studies are now needed to evaluate the utility of concomitant **therapy** with an atypical antipsychotic in psychotic, bipolar, and treatment-resistant depressive syndromes.

=> S L8 AND 2000/PY

L13 489361 2000/PY  
107 L8 AND 2000/PY

=> S L13 AND (THERA? OR CLINI?)

L14 2758974 THERA?  
1655150 CLINI?  
23 L13 AND (THERA? OR CLINI?)

=> S L14 AND REVIEW

416722 REVIEW  
52322 REVIEWS  
457346 REVIEW  
(REVIEW OR REVIEWS)

L15 1 L14 AND REVIEW

=> D

L15 ANSWER 1 OF 1 MEDLINE on STN

AN 2001036398 MEDLINE

DN PubMed ID: 10939309

TI Risperidone: a review of its use in the management of the behavioural and psychological symptoms of dementia.

AU Bhana N; Spencer C M

CS Adis International Limited, Mairangi Bay, Auckland, New Zealand.. demalleadis.co.nz

SO Drugs & aging. (2000 Jun) 16 (6) 451-71. Ref: 74

CY Journal code: 9102074. ISSN: 1170-229X.

DT Journal; Article; (JOURNAL ARTICLE)

(REVIEW, TUTORIAL)

LA English

FS Priority Journals

EM 200011

ED Entered STN: 20010322

Last Updated on STN: 20010322

Entered Medline: 20001130

=> S L14 NOT L15

L16 22 L14 NOT L15

=> D 1-22

L16 ANSWER 1 OF 22 MEDLINE on STN

AN 2001447861 MEDLINE

DN PubMed ID: 11072763

TI Novel antipsychotics and extrapyramidal side effects. Theory and reality.

AU Horacek J

CS Prague Psychiatric Centre and the 3rd Faculty of Medicine of Charles University, Czech Republic.. horacek@PCP.LF3.CUNI.CZ

SO Pharmacopsychiatry. (2000 Sep) 33 Suppl 1 34-42. Ref: 87

CY Journal code: 8402938. ISSN: 0176-3679.

DT JOURNAL; Article; (JOURNAL ARTICLE)

(REVIEW, TUTORIAL)

LA English

FS Priority Journals

EM 200108

ED Entered STN: 20010813

Last Updated on STN: 20010813

Entered Medline: 20010809

L16 ANSWER 2 OF 22 MEDLINE on STN

AN 2001213803 MEDLINE

DN PubMed ID: 11081993

TI Effects of sesquiterpenoids from "Oriental incenses" on acetic acid-induced writhing and D2 and 5-HT<sub>2A</sub> receptors in rat brain.

AU Okugawa H; Ueda R; Matsumoto K; Kawanishi K; Kato K

CS Institute for Oriental Medicine, Hyogo, Amagasaki, Hyogo, Japan. Phytomedicine : international journal of phytotherapy and

SO Phytomedicine. (2000 Oct) 7 (5) 417-22.

CY Journal code: 9438794. ISSN: 0944-7113.

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200104

ED Entered STN: 20010425

Last Updated on STN: 20010425

Entered Medline: 20010419

L16 ANSWER 3 OF 22 MEDLINE on STN  
AN 2001179156 MEDLINE  
DN PubMed ID: 11206702  
TI Dopamine D4 receptors and development of newer antipsychotic drugs.  
AU Kulkarni S K; Ninan I  
CS Pharmacology Division, University Institute of Pharmaceutical Sciences,  
Panjab University, Chandigarh, India... skpu@yahoo.com  
SO Fundamental & clinical pharmacology, (2000 Nov-Dec) 14 (6)  
529-39. Ref: 107  
Journal code: 8710411. ISSN: 0767-3981.  
CY France  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200103  
ED Entered STN: 20010404  
Last Updated on STN: 20010404  
Entered Medline: 20010329

L16 ANSWER 4 OF 22 MEDLINE on STN  
AN 2001084926 MEDLINE  
DN PubMed ID: 10969987  
TI 1-[2-[(Heteroaryl(methoxy)aryl]carbomoyl]indolines are selective and orally  
active 5-HT2C receptor inverse agonists.  
AU Bromidge S M; Davies S; Duckworth D M; Forbes I T; Jones G E; Jones J;  
King F D; Blackburn T P; Holland V; Kennett G A; Lightowler S; Middlemiss  
D N; Riley G J; Trail B; Wood M D  
CS SmithKline Beecham Pharmaceuticals, Discovery Research, Harlow, Essex,  
UK... steve.bromidge@lsbphrd.com  
SO Bioorganic & medicinal chemistry letters, (2000 Aug 21) 10 (16)  
1867-70.  
Journal code: 9107377. ISSN: 0960-894X.  
CY ENGLAND: United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200101  
ED Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20010118

L16 ANSWER 5 OF 22 MEDLINE on STN  
AN 2001073983 MEDLINE  
DN PubMed ID: 11050286  
TI 5-hydroxytryptamine (2A) receptor antagonist: a comparison with  
the antidepressant, nefazodone.  
AU Pullar I A; Carney S L; Colvin E M; Lucaites V L; Nelson D L; Wedley S  
CS Eli Lilly and Company, Lilly Research Centre Ltd., Erl Wood Manor, Surrey  
GU20 6PH, Windlesham, UK... pullar@lilly.com  
SO European journal of pharmacology, (2000 Oct 27) 407 (1-2) 39-46.  
Journal code: 1254354. ISSN: 0014-2999.  
CY Netherlands  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200012  
ED Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20001229

L16 ANSWER 6 OF 22 MEDLINE on STN  
AN 2001054063 MEDLINE  
DN PubMed ID: 10928313

TI High 5HT2A receptor occupancy in M100907-treated schizophrenic patients.  
AU Talvik-Lotfi M; Nyberg S; Nordstrom A L; Ito H; Halldin C; Brunner F;  
Farde L  
CS Department of Clinical Neuroscience, Karolinska Hospital, Stockholm,  
Sweden. mirjam@psyk.ki.se  
SO Psychopharmacology, (2000 Mar) 148 (4) 400-3.  
Journal code: 7608025. ISSN: 0033-3158.

CY GERMANY: Germany, Federal Republic of  
DT (CLINICAL TRIAL)  
LA English  
FS Priority Journals  
EM 200012  
ED Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20001212

L16 ANSWER 7 OF 22 MEDLINE on STN  
AN 2001016005 MEDLINE  
DN PubMed ID: 10980325

TI Platelet 5-HT(2A) receptors in schizophrenic patients with and without  
neuroleptic treatment.  
AU Govitrapong P; Chakutip J; Turakitwanakan W; Srikiatkachorn A  
CS Neuro-Behavioural Biology Center, Institute of Science and Technology for  
Research and Development, Mahidol University, Salaya, 73170, Nakornpathom,  
Thailand... grpxk@mahidol.ac.th  
SO Psychiatry research, (2000 Sep 25) 96 (1) 41-50.  
Journal code: 7911385. ISSN: 0165-1781.

CY Ireland  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200010  
ED Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20001031

L16 ANSWER 8 OF 22 MEDLINE on STN  
AN 2000484256 MEDLINE  
DN PubMed ID: 10867971

TI Risperidone counteracts lethality in an animal model of the serotonin  
syndrome.  
AU Nisijima K; Yoshino T; Ishiguro T  
CS Department of Psychiatry, Uichi Medical School, Tochigi-Ken, Japan.  
SO Psychopharmacology, (2000 May) 150 (1) 9-14.  
Journal code: 7608025. ISSN: 0033-3158.

CY GERMANY: Germany, Federal Republic of  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200010  
ED Entered STN: 20001019  
Last Updated on STN: 20001019  
Entered Medline: 20001011

L16 ANSWER 9 OF 22 MEDLINE on STN  
AN 2000458983 MEDLINE  
DN PubMed ID: 10836282

TI Effective open-label treatment of tourette's disorder with olanzapine.  
AU Stamenkovic M; Schindler S D; Aschauer H N; De Zwaan M; Willinger U;  
Resinger E; Kasper S  
CS Department of General Psychiatry, University Hospital for Psychiatry

SO Vienna, Austria.  
International clinical psychopharmacology, (2000 Jan) 15 (1)  
23-8.  
Journal code: 8609061. ISSN: 0268-1315.  
CY ENGLAND: United Kingdom  
DT (CLINICAL TRIAL)  
LA Journal; Article; (JOURNAL ARTICLE)  
FS English  
LA Priority Journals  
FS 200009  
EM Entered STN: 20001005  
ED Last Updated on STN: 20001005  
Entered Medline: 20000925

L16 ANSWER 10 OF 22 MEDLINE on STN  
AN 2000434005 MEDLINE  
DN PubMed ID: 10843455  
TI Influence of 5-hydroxytryptamine and the effect of a new serotonin  
receptor antagonist (saripogrelate) on detrusor smooth muscle of  
streptozotocin-induced diabetes mellitus in the rat.  
AU Kodama M; Takimoto Y  
CS Department of Urology, Nihon University School of Medicine, Surugadai  
Nihon University Hospital, Tokyo, Japan.  
SO International Journal of Urology : official journal of the Japanese  
Urological Association, (2000 Jun) 7 (6) 231-5.  
Journal code: 9440237. ISSN: 0919-8172.  
CY Australia  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
FS 200009  
EM Entered STN: 20000928  
ED Last Updated on STN: 20000928  
Entered Medline: 20000921

L16 ANSWER 11 OF 22 MEDLINE on STN  
AN 2000397817 MEDLINE  
DN PubMed ID: 10774780  
TI At-1015, a novel serotonin (5-HT)2 receptor antagonist, blocks  
vascular and platelet 5-HT2A receptors and prevents  
the laurate-induced peripheral vascular lesion in rats.  
AU Kihara H; Hirose K; Koganei H; Sasaki N; Yamamoto H; Kimura A; Nishimori  
T; Shoji M; Yoshimoto R  
CS Pharmaceutical Research Laboratories, Ajinomoto Co., Inc., Kawasaki,  
Japan.  
SO Journal of cardiovascular pharmacology, (2000 Apr) 35 (4)  
523-30.  
Journal code: 7902492. ISSN: 0160-2446.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
FS 200008  
EM Entered STN: 20000824  
ED Last Updated on STN: 20000824  
Entered Medline: 20000816

L16 ANSWER 12 OF 22 MEDLINE on STN  
AN 2000329696 MEDLINE  
DN PubMed ID: 10869889  
TI Effects of serotonin and serotonergic agonists and antagonists  
on the production of interferon-gamma and interleukin-10.  
AU Kubera M; Kenis G; Bosmans E; Schaepe S; Maes M  
CS Clinical Research Center for Mental Health, Anwerp, Belgium.  
SO Neuropsychopharmacology : official publication of the American College of

Neuropsychopharmacology, (2000 Jul) 23 (1) 89-98.  
Journal code: 8904907. ISSN: 0893-133X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
FS 200007  
EM Entered STN: 20000728  
ED Last Updated on STN: 20000728  
Entered Medline: 20000717

L16 ANSWER 13 OF 22 MEDLINE on STN  
AN 2000328579 MEDLINE  
DN PubMed ID: 10870512  
TI Effect of fluoxetine on intraocular pressure in the rabbit.  
AU Costagliola C; Mastropasqua L; Capone D; Verolino M; Ciancaglini M;  
Pisanti N  
CS Eye Clinic, 2nd University of Naples, Italy.  
SO Experimental eye research, (2000 May) 70 (5) 551-5.  
Journal code: 0370707. ISSN: 0014-4835.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
FS 200007  
EM Entered STN: 20000720  
ED Last Updated on STN: 20000720  
Entered Medline: 20000710

L16 ANSWER 14 OF 22 MEDLINE on STN  
AN 2000296143 MEDLINE  
DN PubMed ID: 10839333  
TI A positron emission tomography study of quetiapine in schizophrenia: a  
preliminary finding of an antipsychotic effect with only transiently high  
dopamine D2 receptor occupancy.  
AU Kapur S; Zipursky R; Jones C; Shammi C S; Remington G; Seeman P  
CS Department of Psychiatry, University of Toronto, Ontario..  
SO Archives of general psychiatry, (2000 Jun) 57 (6) 553-9.  
Journal code: 0372435. ISSN: 0003-990X.  
CY United States  
DT (CLINICAL TRIAL)  
LA Journal; Article; (JOURNAL ARTICLE)  
FS (RANDOMIZED CONTROLLED TRIAL)  
FS English  
LA Abbreviated Index Medicus Journals; Priority Journals  
FS 200006  
EM Entered STN: 20000616  
ED Last Updated on STN: 20000616  
Entered Medline: 20000607

L16 ANSWER 15 OF 22 MEDLINE on STN  
AN 2000263588 MEDLINE  
DN PubMed ID: 10802024  
TI Ultrastructural localization of the serotonin 2A receptor in dopaminergic  
neurons in the ventral tegmental area.  
AU Doherty M D; Pickel V M  
CS Department of Neurology and Neuroscience, Weill Medical College of Cornell  
University, 411 East 69th Street, New York, NY, USA..  
mdoherty@mail.med.cornell.edu  
DA04600 (NIDA)  
MH00078 (NIMH)  
MH40342 (NIMH)  
SO Brain research, (2000 May 12) 864 (2) 176-85.  
Journal code: 0045503. ISSN: 0006-8993.

CY Netherlands  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200007  
ED Entered STN: 20000714  
Last Updated on STN: 20000714  
Entered Medline: 20000703

L16 ANSWER 16 OF 22 MEDLINE on STN  
AN 2000245211 MEDLINE  
DN PubMed ID: 10781645  
TI T102C polymorphism of the serotonin (5-HT) 2A receptor gene in patients with non-fatal acute myocardial infarction.  
AU Yamada S; Akita H; Kanazawa K; Ishida T; Hirata K; Ito K; Kawashima S; Yokoyama M  
CS The First Department of Internal Medicine, Kobe University School of Medicine, 7-5-1 Kusunoki-cho, Chuo-ku, Kobe, Japan.  
SO Atherosclerosis, (2000 May) 150 (1): 143-8.  
Journal code: 0242543. ISSN: 0021-9150.

CY Ireland  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200005  
ED Entered STN: 20000613  
Last Updated on STN: 20000613  
Entered Medline: 20000531

L16 ANSWER 17 OF 22 MEDLINE on STN  
AN 2000231225 MEDLINE  
DN PubMed ID: 10770456  
TI Pharmacologic profile of perphenazine's metabolites.  
AU Sweet R A; Pollock B G; Mulsant B H; Rosen J; Sorisio D; Kirshner M; Henteleff R; DeWichele M A  
CS Geriatric Psychopharmacology, Department of Psychiatry, University of Pittsburgh School of Medicine, Pennsylvania, USA.. SweetRA@msx.upmc.edu  
MH 01153 (NIMH)  
MH 01509 (NIMH)  
MH 55106 (NIMH)  
+

SO Journal of clinical psychopharmacology, (2000 Apr) 20 (2): 181-7.  
Journal code: 8109496. ISSN: 0271-0749.

CY United States  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200006  
ED Entered STN: 20000706  
Last Updated on STN: 20000706  
Entered Medline: 20000628

L16 ANSWER 18 OF 22 MEDLINE on STN  
AN 2000226725 MEDLINE  
DN PubMed ID: 10763515  
TI Vaso-stabilizing effect of Dotarizine (Ca(2+)-channel blocker) on cerebrovascular reactivity in rabbits.  
AU Kuridze N; Czernicki Z; Jarus-Dziedzic K; Jurkiewicz J; Cervos-Navarro J  
CS Department of Neurosurgery, Polish Academy of Sciences, Warszawa, Poland.  
SO Neurological research, (2000 Mar) 22 (2): 229-32.  
Journal code: 7905298. ISSN: 0161-6412.

CY ENGLAND; United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals

EM 200006  
ED Entered STN: 20000616  
Last Updated on STN: 20000616  
Entered Medline: 20000607

L16 ANSWER 19 OF 22 MEDLINE on STN  
AN 2000199683 MEDLINE  
DN PubMed ID: 10737422  
TI Chronic electroconvulsive shock decreases (+/-) 1-(4-iodo-2,5-dimethoxyphenyl)-2-aminopropane hydrochloride (DOI)-induced wet-dog shake behaviors of dexmethasone-treated rats.  
AU Kozuru T; Kagaya A; Takebayashi M; Horiguchi J; Yamawaki S  
CS Department of Psychiatry and Neurosciences, Hiroshima University School of Medicine, Japan.  
SO Life sciences, (2000 Feb 18) 66 (13): 1271-9.  
Journal code: 0375521. ISSN: 0024-3205.

CY ENGLAND; United Kingdom  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200004  
ED Entered STN: 20000421  
Last Updated on STN: 20000421  
Entered Medline: 20000411

L16 ANSWER 20 OF 22 MEDLINE on STN  
AN 2000197907 MEDLINE  
DN PubMed ID: 10731624  
TI Naltrexone vs. nefazodone for treatment of alcohol dependence. A placebo-controlled trial.  
AU Kranzler H R; Modesto-Lowe V; Van Kirk J  
CS Alcohol Research Center, Department of Psychiatry, University of Connecticut School of Medicine, Farmington, CT 06030-2103, USA.  
NC K02-AA0239 (NIAAA)  
P50-AA03510 (NIAAA)  
T32-AA07290 (NIAAA)  
+

SO Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, (2000 May) 22 (5): 493-503.  
Journal code: 8904907. ISSN: 0893-133X.

CY United States  
DT (CLINICAL TRIAL)  
Journal; Article: (JOURNAL ARTICLE)  
(RANDOMIZED CONTROLLED TRIAL)  
LA English  
FS Priority Journals  
EM 200005  
ED Entered STN: 20000518  
Last Updated on STN: 20000518  
Entered Medline: 20000509

L16 ANSWER 21 OF 22 MEDLINE on STN  
AN 2000193521 MEDLINE  
DN PubMed ID: 10727629  
TI Melatonin reversal of DOI-induced hypophagia in rats; possible mechanism by suppressing 5-HT(2A) receptor-mediated activation of HPA axis.  
AU Raghavendra V; Kulkarni S K  
CS Pharmacology Division, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India.  
SO Brain research, (2000 Mar 31) 860 (1-2): 112-8.  
Journal code: 0045503. ISSN: 0006-8993.

CY Netherlands  
DT Journal; Article: (JOURNAL ARTICLE)  
LA English  
FS Priority Journals

EM 200006  
ED Entered STN: 20000622  
Last Updated on STN: 20000622  
Entered Medline: 20000615

L16 ANSWER 22 OF 22 MEDLINE on STN  
AN 2000184507 MEDLINE  
DN PubMed ID: 10721882  
TI Posthallucinogen-like visual illusions (palinopsia) with risperidone in a patient without previous hallucinogen exposure: possible relation to serotonin 5HT2A receptor blockade.

AU Lauterbach E C; Adelhamid A; Annandale J B  
CS Department of Psychiatry and Behavioral Sciences, Neurology Section Mercer University School of Medicine, Macon, GA 31207, USA.  
SO Pharmacopsychiatry. (2000 Jan) 33 (1) 38-41.  
JOURNAL CODE: 8402938. ISSN: 0176-3679.  
CY GERMANY; Germany, Federal Republic of  
DT (CASE REPORTS)  
LA English  
FS Priority Journals  
EM 200005  
ED Entered STN: 20000518  
Last Updated on STN: 20000518  
Entered Medline: 20000510

-> D ABS 20

L16 ANSWER 20 OF 22 MEDLINE on STN  
AB This study compared the effects of nefazodone, a serotonergic antidepressant, with the opioid antagonist naltrexone, and an inactive placebo in 183 alcohol-dependent subjects receiving weekly relapse prevention psychotherapy. Following a single-blind, placebo lead-in period, subjects were randomly assigned to receive study medication, which they took under double-blind conditions for 11 weeks. Naltrexone treatment was associated with significantly more adverse neuropsychiatric and gastrointestinal effects, poorer compliance, and a greater rate of treatment attrition. There were no reliable between-group differences in drinking behavior. These results indicate that nefazodone is not efficacious for treatment of alcohol dependence. Furthermore, the clinical utility of naltrexone seems to be limited by its adverse effects, a finding that has important implications for efforts to develop medications to treat alcohol dependence.

EM 200006  
ED Entered STN: 20000622  
Last Updated on STN: 20000622  
Entered Medline: 20000615

L16 ANSWER 22 OF 22 MEDLINE on STN  
AN 2000184507 MEDLINE  
DN PubMed ID: 10721882  
TI Posthallucinogen-like visual illusions (palinopsia) with risperidone in a patient without previous hallucinogen exposure: possible relation to serotonin 5HT2A receptor blockade.

AU Lauterbach E C; Adelhamid A; Annandale J B  
CS Department of Psychiatry and Behavioral Sciences, Neurology Section Mercer University School of Medicine, Macon, GA 31207, USA.  
SO Pharmacopsychiatry. (2000 Jan) 33 (1) 38-41.  
JOURNAL CODE: 8402938. ISSN: 0176-3679.  
CY GERMANY; Germany, Federal Republic of  
DT (CASE REPORTS)  
LA English  
FS Priority Journals  
EM 200005  
ED Entered STN: 20000518  
Last Updated on STN: 20000518  
Entered Medline: 20000510

-> D ABS 20

L16 ANSWER 20 OF 22 MEDLINE on STN  
AB This study compared the effects of nefazodone, a serotonergic antidepressant, with the opioid antagonist naltrexone, and an inactive placebo in 183 alcohol-dependent subjects receiving weekly relapse prevention psychotherapy. Following a single-blind, placebo lead-in period, subjects were randomly assigned to receive study medication, which they took under double-blind conditions for 11 weeks. Naltrexone treatment was associated with significantly more adverse neuropsychiatric and gastrointestinal effects, poorer compliance, and a greater rate of treatment attrition. There were no reliable between-group differences in drinking behavior. These results indicate that nefazodone is not efficacious for treatment of alcohol dependence. Furthermore, the clinical utility of naltrexone seems to be limited by its adverse effects, a finding that has important implications for efforts to develop medications to treat alcohol dependence.

=> LOG HOLD  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST  
SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 11:00:36 ON 22 NOV 2005

SINCE FILE	TOTAL
ENTRY	SESSION
21.37	21.58

=> D ABS 11

L16 ANSWER 11 OF 22 MEDLINE on STN  
AB The serotonin (5-HT2A) antagonistic activities and the protective effect on laurate-induced peripheral vascular lesions of AT-1015, a novel 5-HT2 receptor antagonist, were investigated. In platelet aggregation, AT-1015 selectively inhibited in vitro 5-HT2A receptor-mediated aggregation, and the activity was almost equivalent to that of ketanserin (5-HT2A/2C receptor antagonist) and 100 times more potent than saropergate (5-HT2A receptor antagonist). AT-1015 also inhibited 5-HT2A receptor-mediated aggregation by oral administration in rat, and the dose required for inhibition was equivalent to ketanserin. In a 5-HT-induced vasoconstriction study in rat, AT-1015 slightly reduced maximal contraction and caused a rightward shift of the concentration-response curve (pKB value, 9.5), which was unlike competitive inhibitors such as ketanserin and saropergate (pA2 value, 9.3 and 8.7, respectively). Moreover, the ex vivo inhibitory activity significantly remained after